

Figure 1

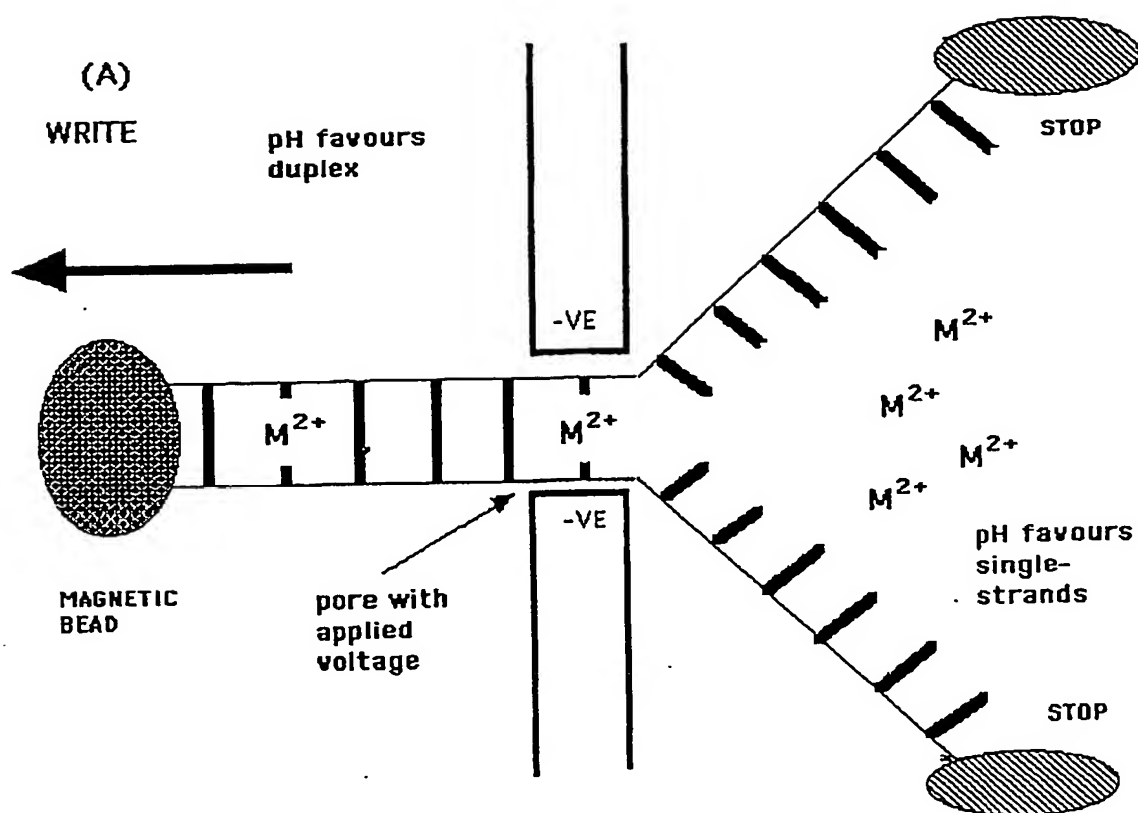


Figure 2

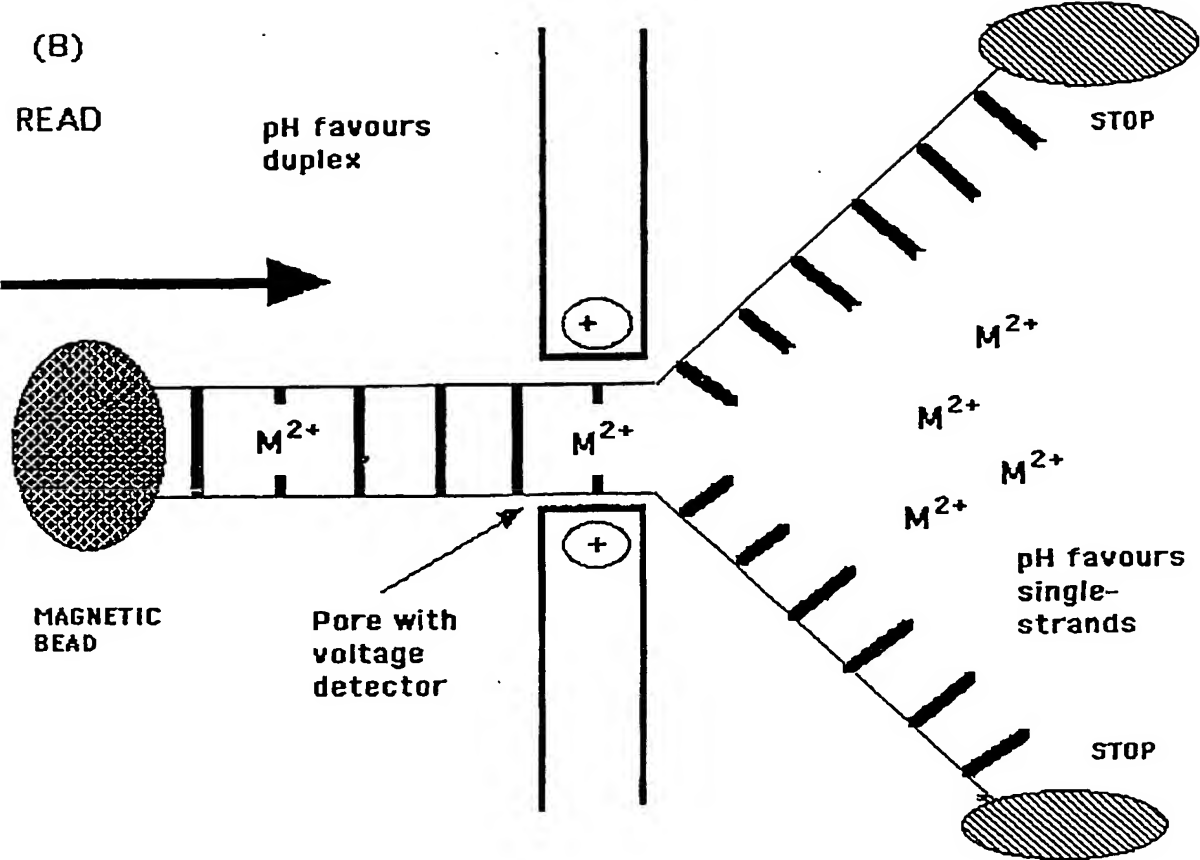
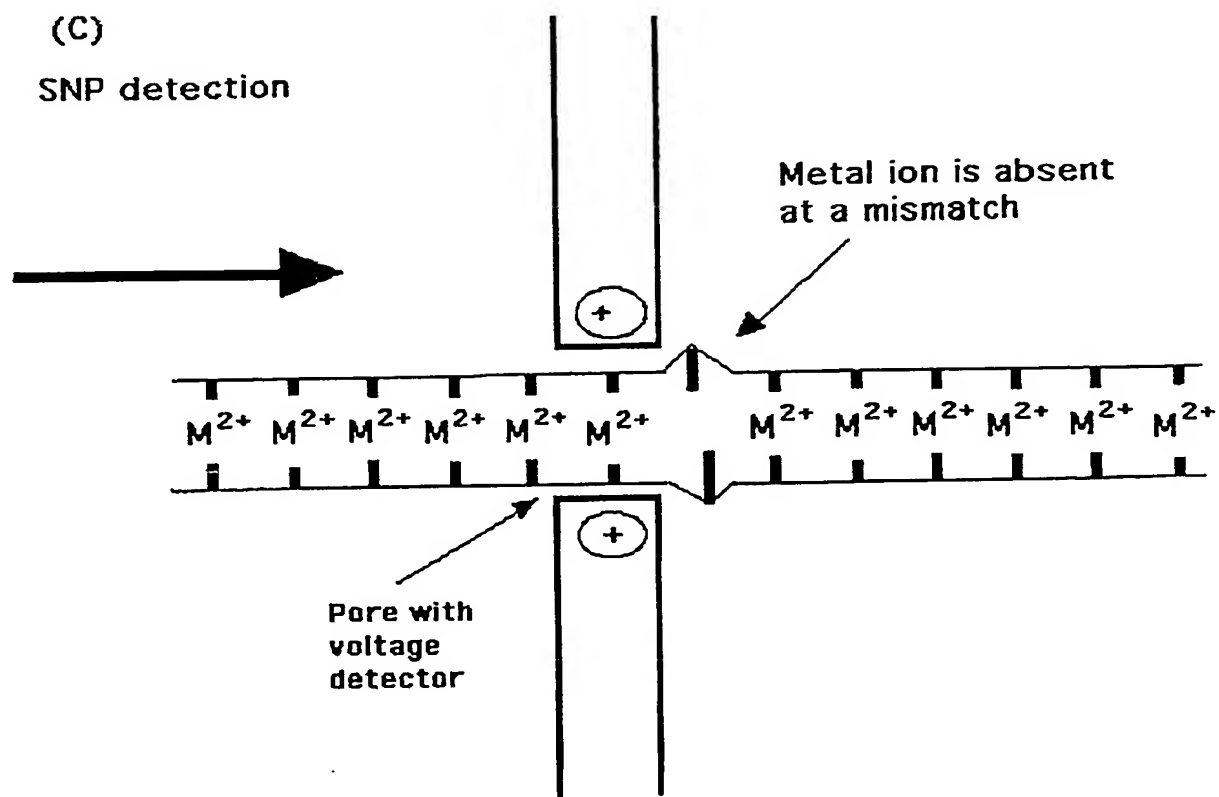


Figure 3



Multiplexing:

Length	Position	Mutation
20	10 or 11	cystic fibrosis
20	9 or 12	Tay Sach's
20	8 or 13	Muscular dystrophy
21	11	Hemophilia A
21	10 or 12	Hemophilia B
etc.		

Since the orientation of any duplex is unknown then e.g. position 10 and 11 for a 20-mer cannot be distinguished.

Figure 4

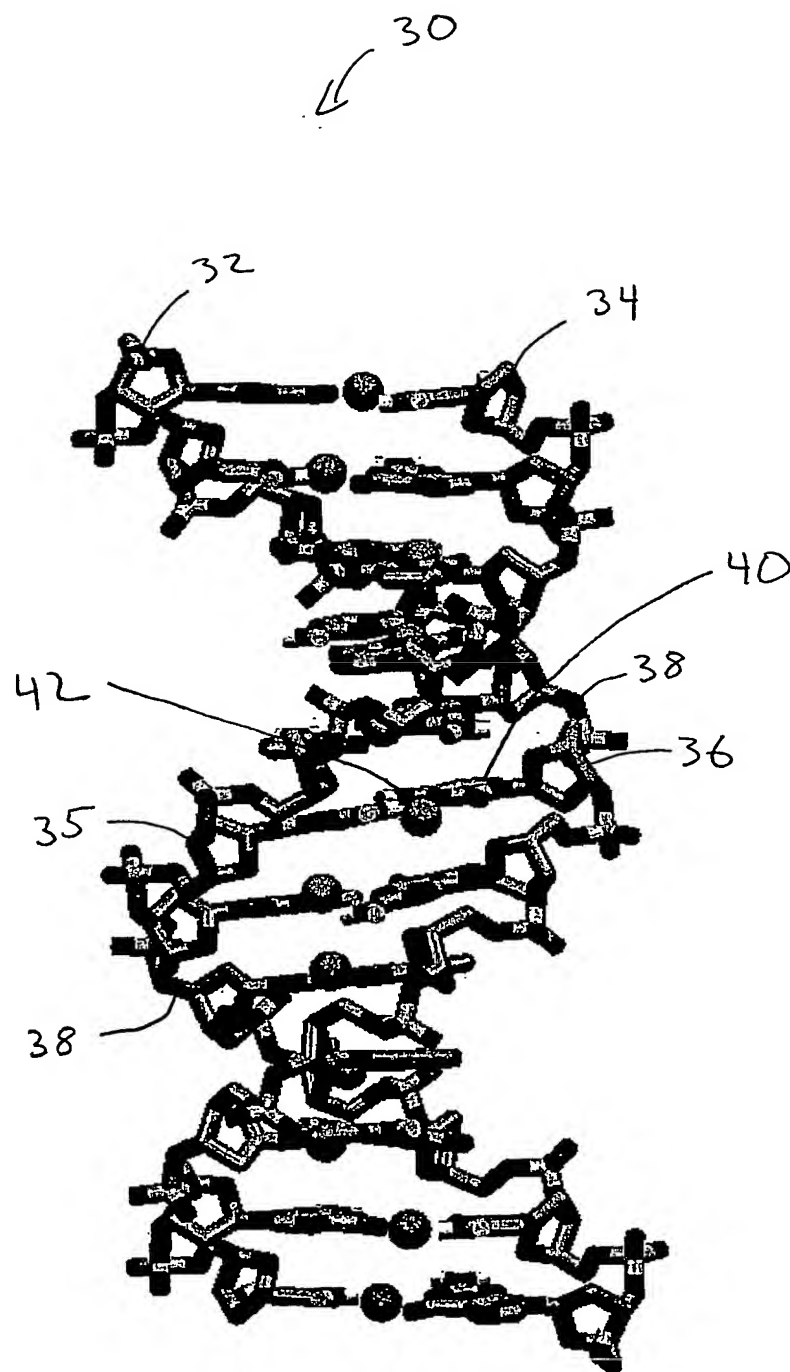
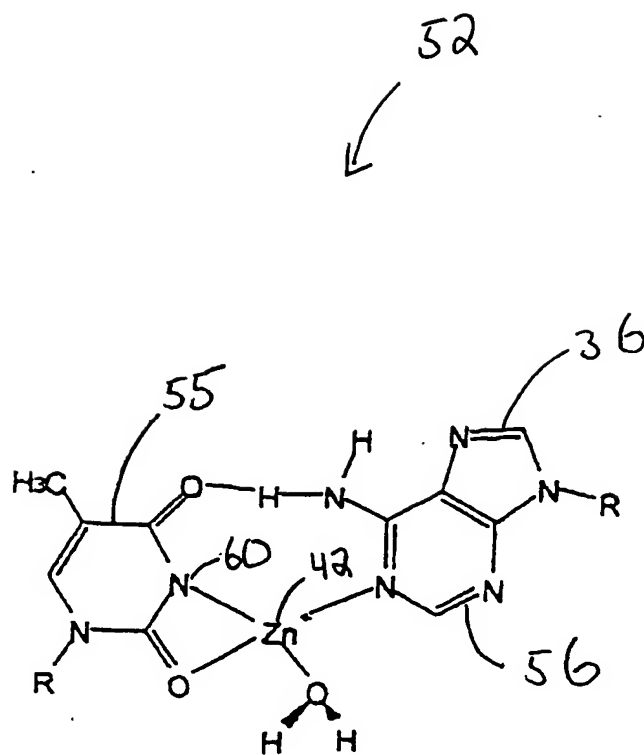


FIGURE 5



T-A

FIGURE 6

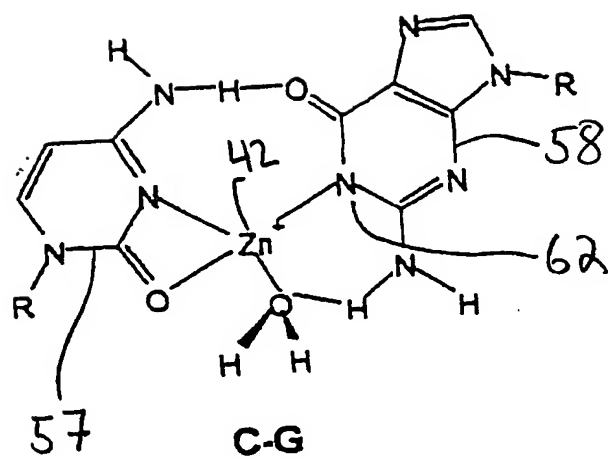
54
↙

FIGURE 7

	Thread	Recognition Sequence	Thread	T_m (°C) [†]
Guide	3' - (AAAA) ₅	CCTTAAGTAC	(AAAA) ₅ - 5'	
Match		5' - GGAATTCATG - 3'		42.6
MM1		5' - GGACTTCATG - 3'		33.0
MM2		5' - GGACATCATG - 3'		23.3
MM3		5' - GGACAACATG - 3'		11.6
Control		5' - GTACTTAAGG - 3'		<0

FIGURE 8

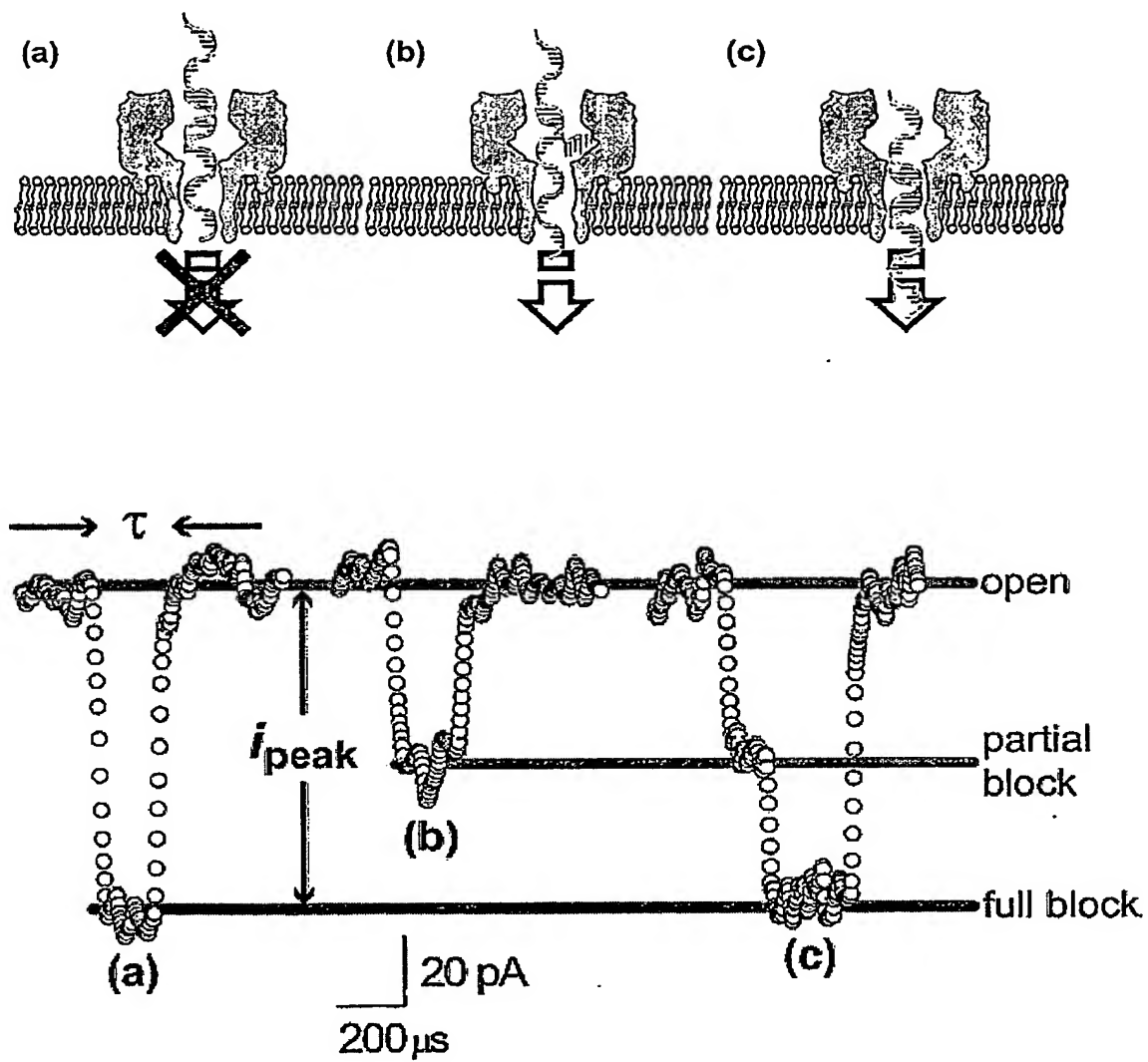


FIGURE 9

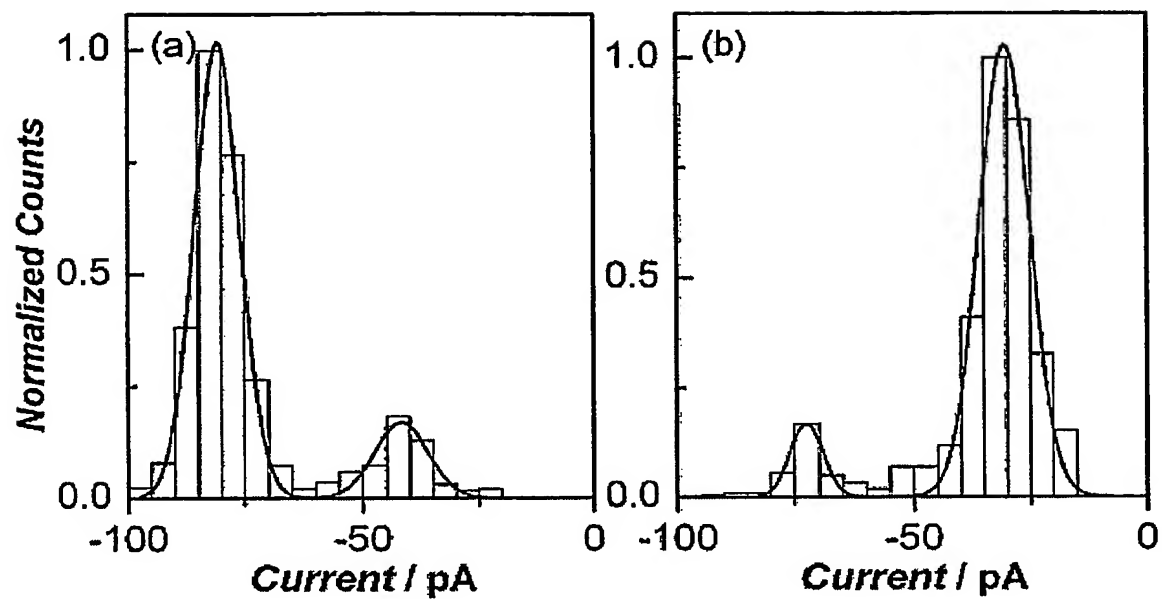


FIGURE 10

